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FIG. 1

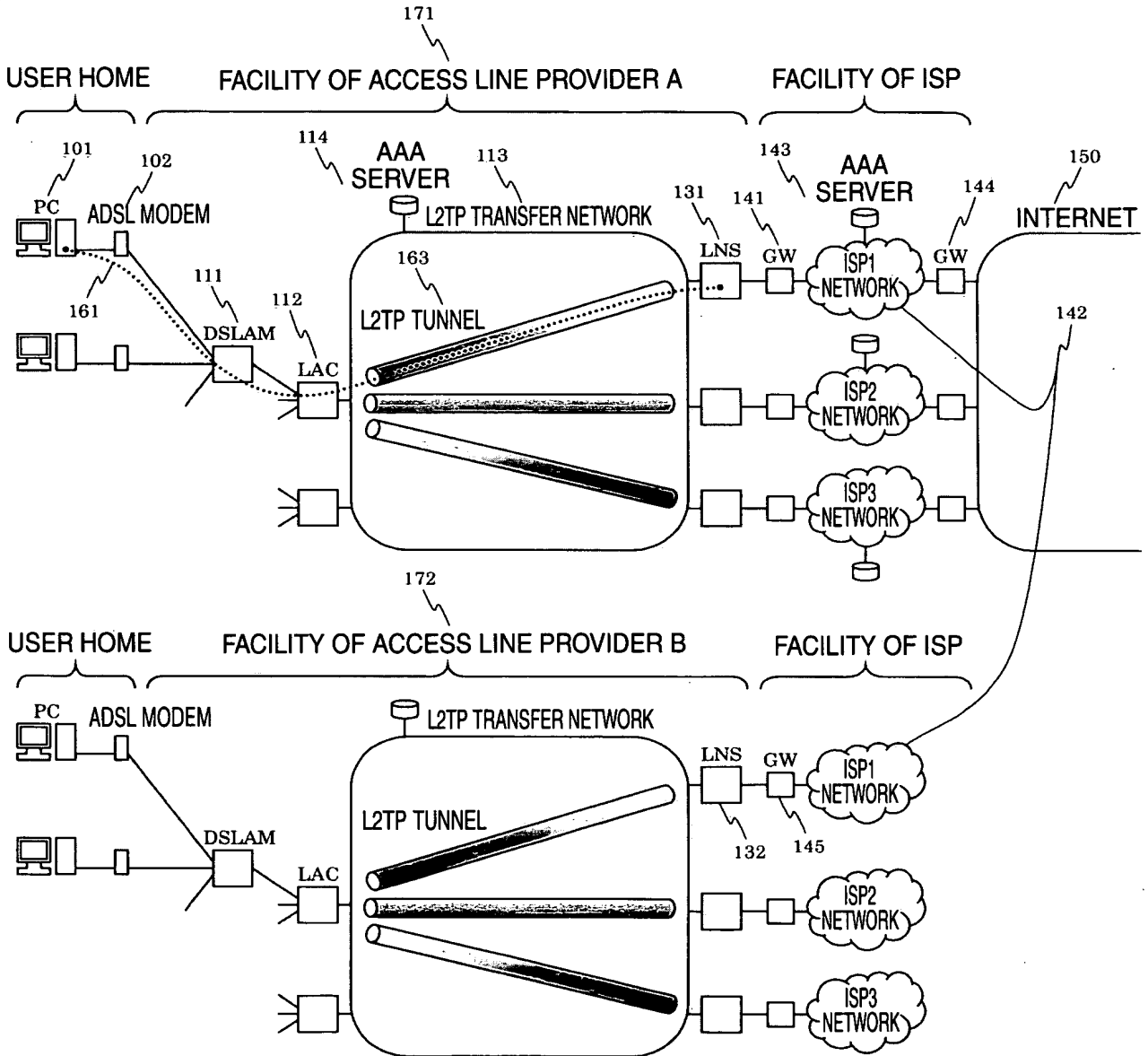


FIG. 2

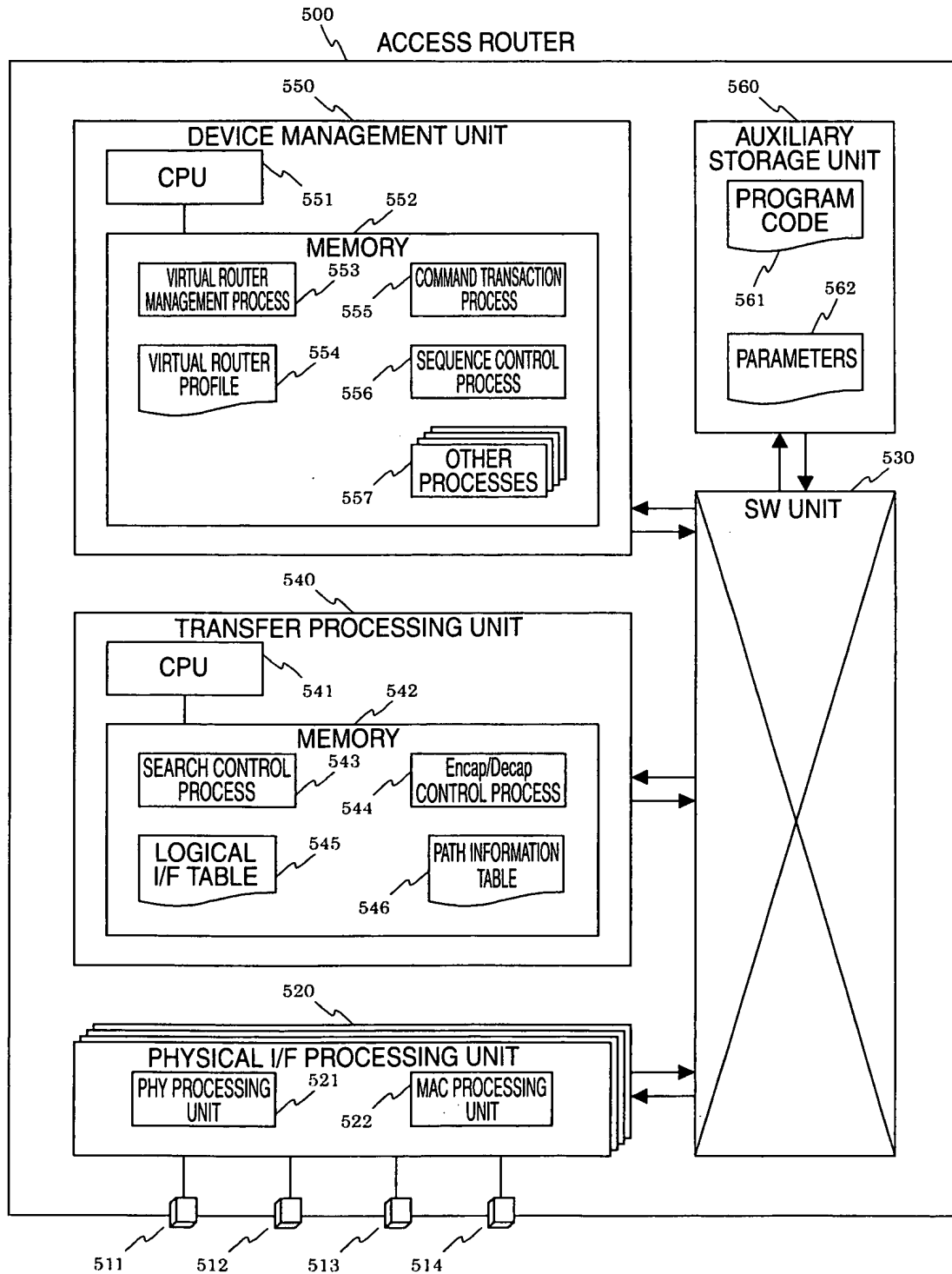


FIG. 3

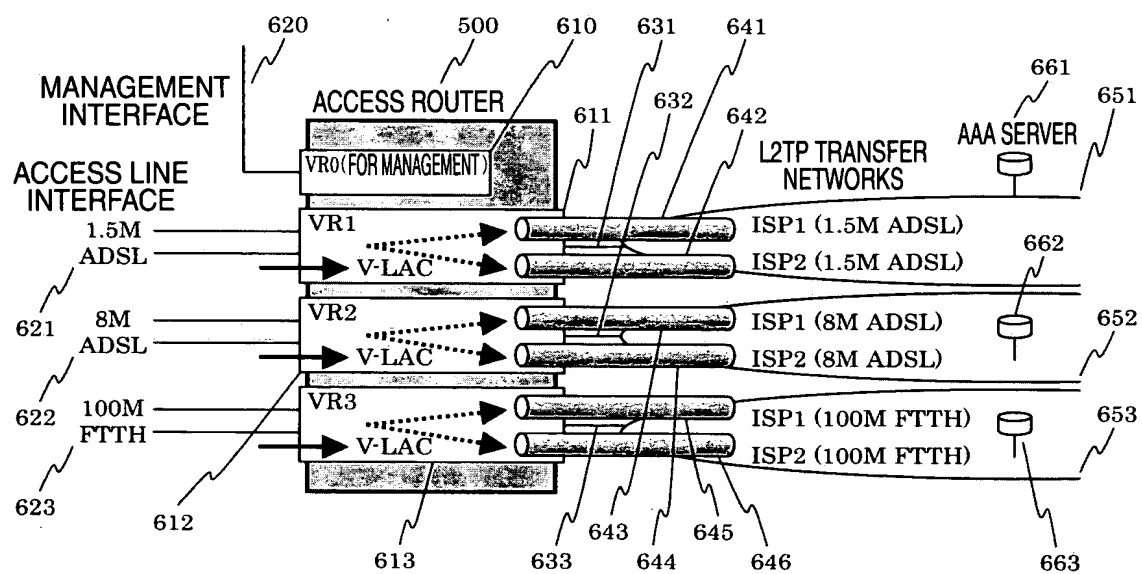


FIG. 4

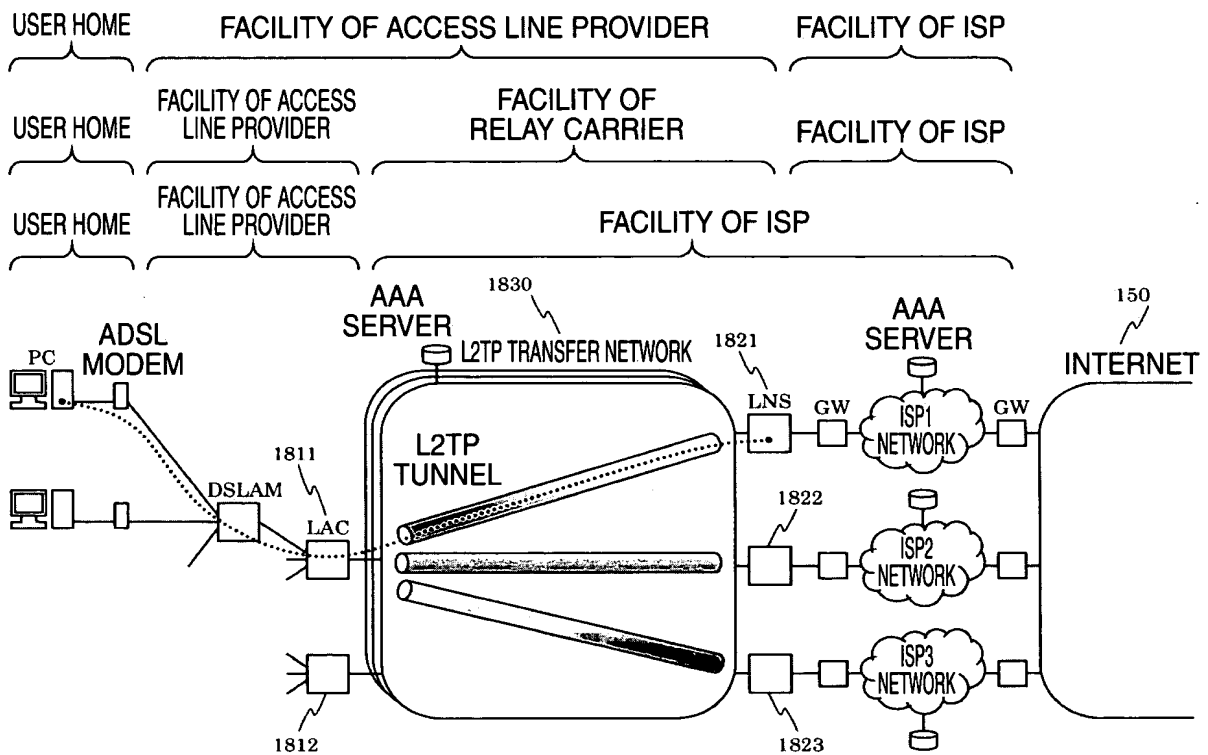


FIG. 5A

	2001	2002	2003	2004	2005	2006	2007
2021	VIRTUAL ROUTER	PHYSICAL IF	PROTOCOL	LOGICAL IF	Rx/Tx	ACTION	VIRTUAL ROUTER
2022	-	ATM_11	PPPoE	PVC_11	Rx	Decap_PPPoE	VR_1
2023	VR_1	-	PPP	PPPoE_11	Rx	Map_L2TP	VR_1
2024	VR_1	-	PPP	Session_12	Tx	Encap_L2TP	VR_1
2025	VR_1	-	L2TP	Tunnel_12	Tx	Encap_UDP/IP	VR_1
2027	VR_1	-	IP	UDP_1701	Tx	Route	VR_1
2031	VR_1	Ether_12	IP	-	Tx	Forward	-
2033	VR_1	Ether_12	IP	-	Rx	Route	VR_1
2034	VR_1	-	UDP/IP	UDP_1701	Rx	Decap_UDP/IP	VR_1
2035	VR_1	-	L2TP	Tunnel_12	Rx	Decap_L2TP	VR_1
2036	VR_1	-	PPP	Session_12	Rx	Map_PPPoE	VR_1
2037	VR_1	-	PPP	PPPoE_11	Tx	Encap_PPPoE	VR_1
	VR_1	ATM_11	PPPoE	PVC_11	Tx	Forward	-

FIG. 5B

	2011	2012	2013	2014	2015	2016	2017
2026	VIRTUAL ROUTER	DESTINATION IP ADDRESS	ADDRESS MASK	SELF-ADDRESSED	NextHop ADDRESS	PHYSICAL IF	LOGICAL IF
2032	VR_1	192.168.20.1	255.255.255.0	0	192.168.10.2	Ether_12	-
	VR_1	192.168.10.1	255.255.255.0	1	-	-	UDP_1701

FIG. 6

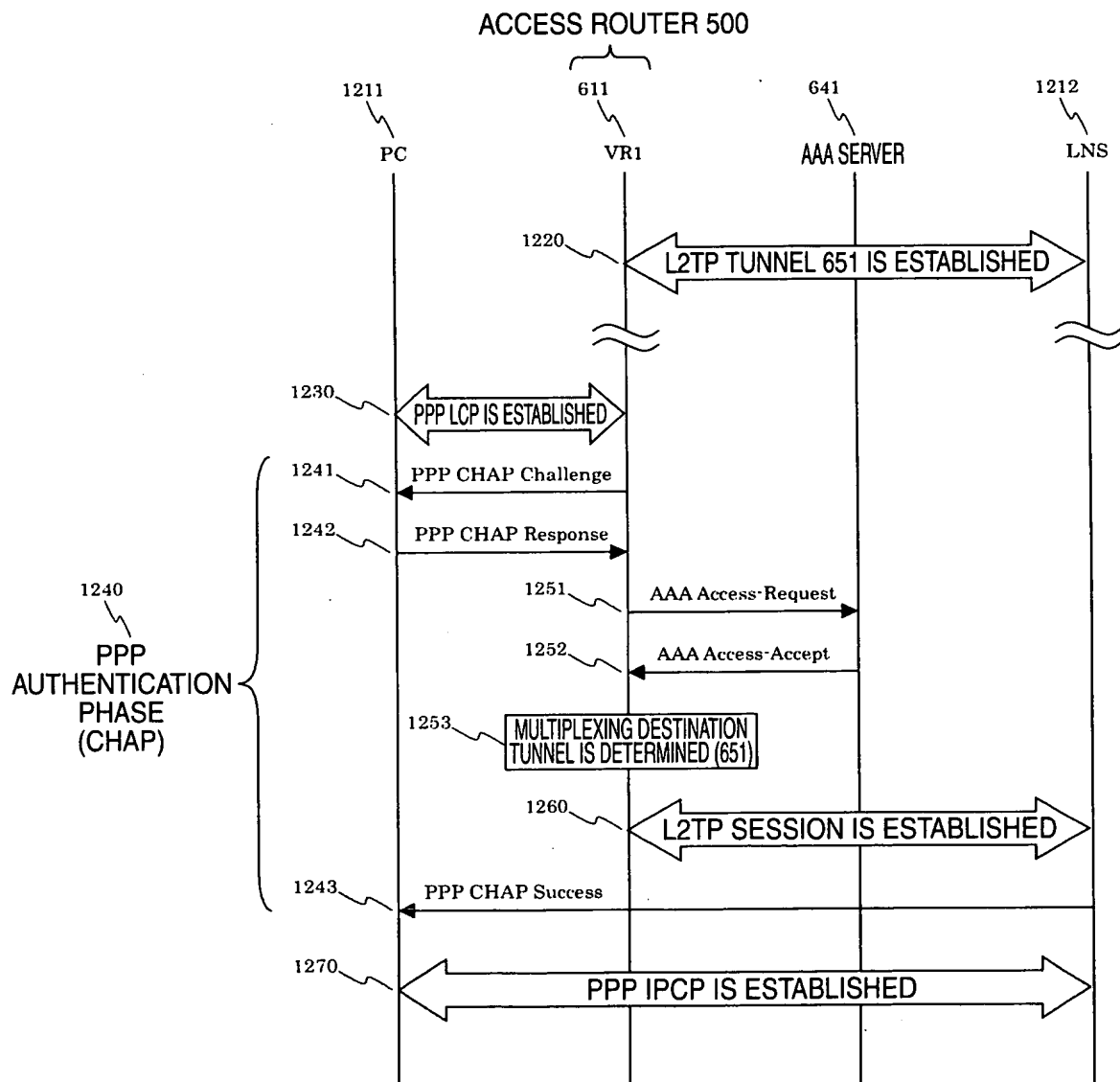


FIG. 7

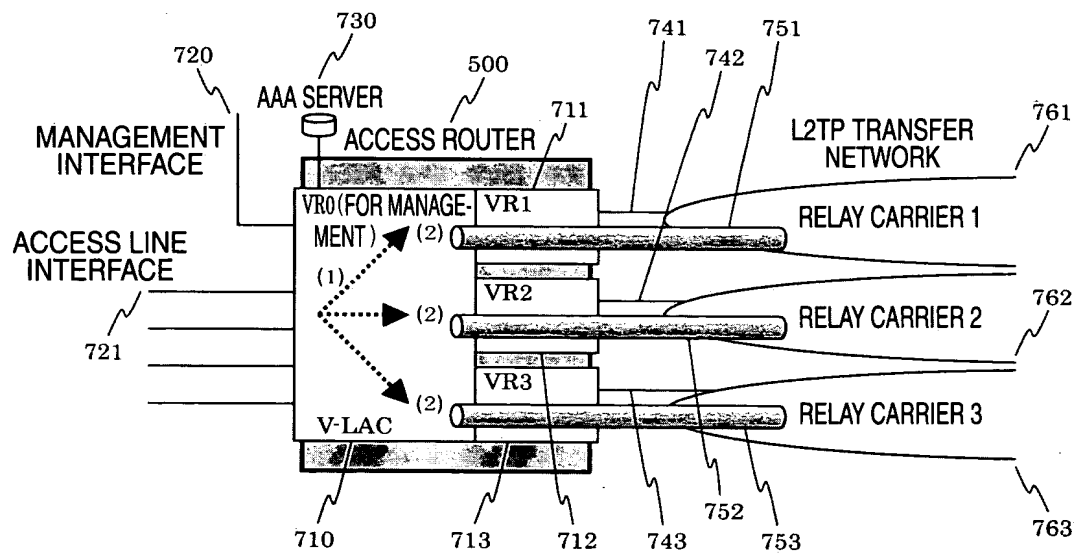


FIG. 8A

2101	2102	2103	2104	2105	2106	2107
VIRTUAL ROUTER	PHYSICAL IF	PROTOCOL	LOGICAL IF	Rx/Tx	ACTION	VIRTUAL ROUTER
2121	ATM_11	PPPoE	PVC_11	Rx	Decap_PPPoE	VR_0
2122	-	PPP	PPPoE_11	Rx	Map_L2TP	VR_0
2123	-	PPP	Session_12	Tx	Encap_L2TP	VR_1
2124	-	L2TP	Tunnel_12	Tx	Encap_UDP/IP	VR_1
2125	-	IP	UDP_1701	Tx	Route	VR_1
2127	Ether_12	IP	-	Tx	Forward	-
2131	Ether_12	IP	-	Rx	Route	VR_1
2133	-	UDP/IP	UDP_1701	Rx	Decap_UDP/IP	VR_0
2134	-	L2TP	Tunnel_12	Rx	Decap_L2TP	VR_0
2135	-	PPP	Session_12	Rx	Map_PPPoE	VR_0
2136	-	PPP	PPPoE_11	Tx	Encap_PPPoE	VR_0
2137	ATM_11	PPPoE	PVC_11	Tx	Forward	-

FIG. 8B

2111	2112	2113	2114	2115	2116	2117
VIRTUAL ROUTER	DESTINATION IP ADDRESS	ADDRESS MASK	SELF-ADDRESSED	NextHop ADDRESS	PHYSICAL IF	LOGICAL IF
2126	VR_1	192.168.20.1	255.255.255.0	0	Ether_12	-
2132	VR_1	192.168.10.1	255.255.255.0	1	-	UDP_1701

FIG. 9

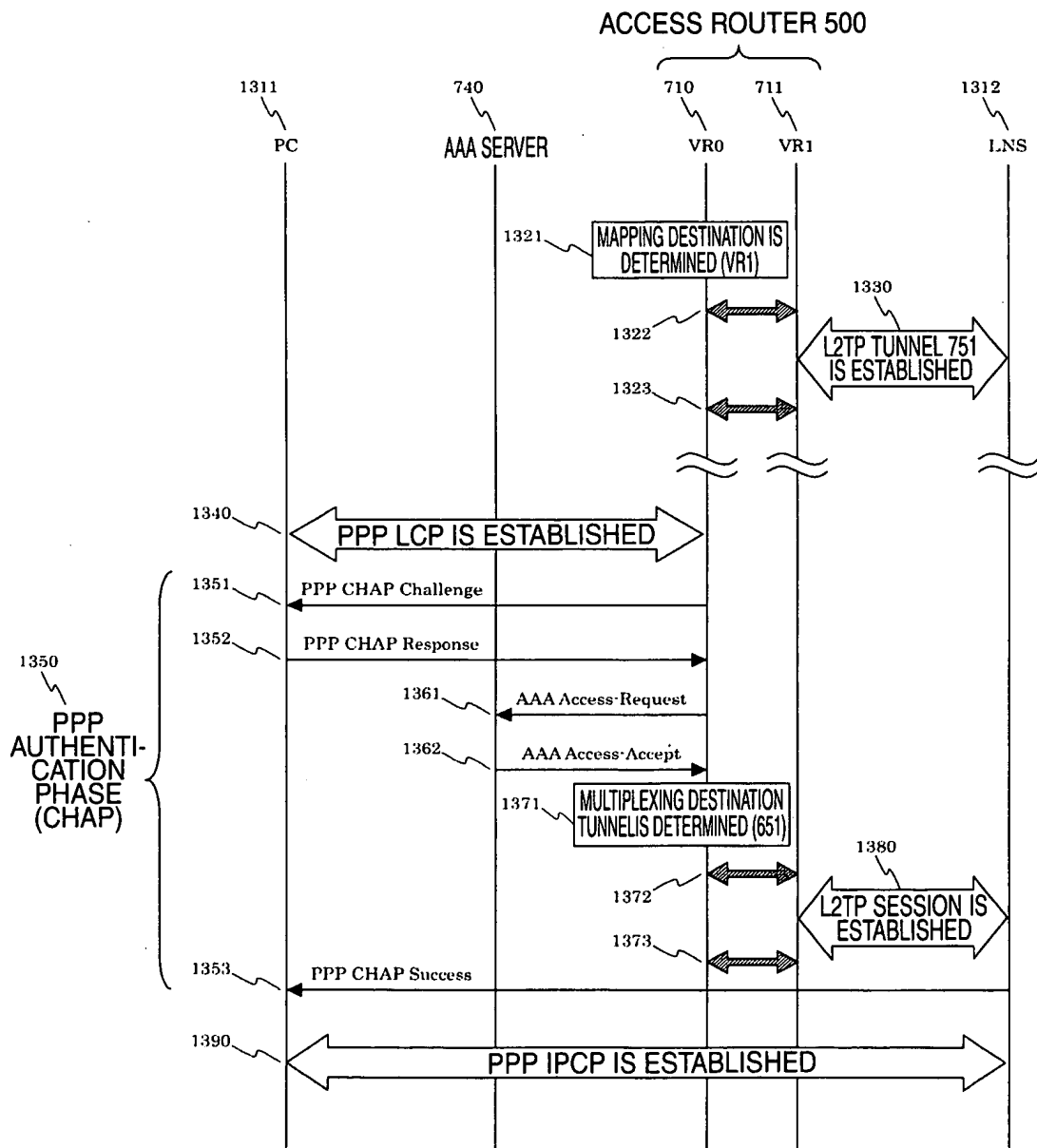


FIG. 10

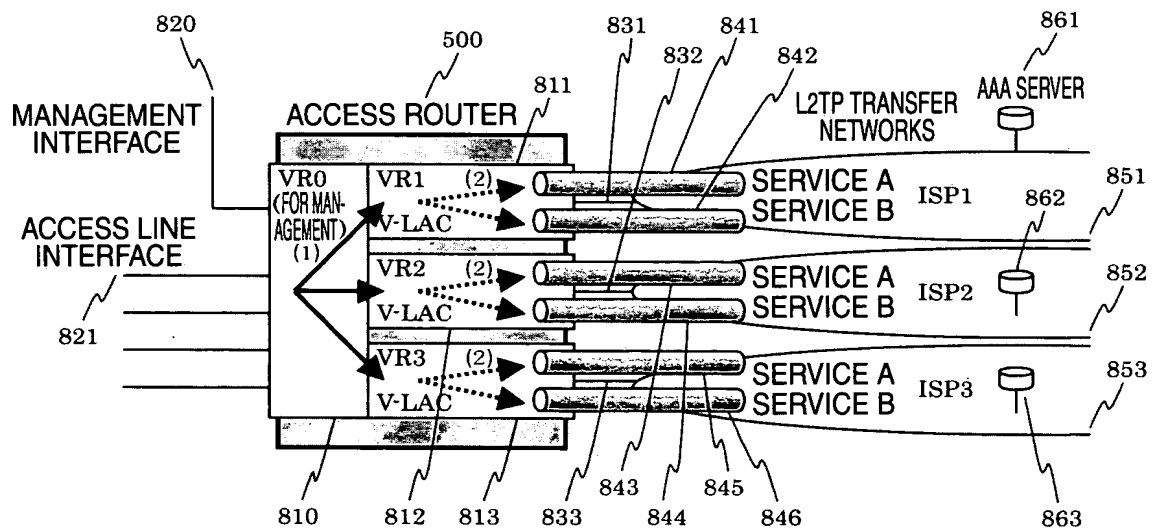


FIG. 11A

2221	2201	2202	2203	2204	2205	2206	2207
	VIRTUAL ROUTER	PHYSICAL IF	PROTOCOL	LOGICAL IF	Rx/Tx	ACTION	VIRTUAL ROUTER
2222	-	ATM_11	PPPoE	PVC_11	Rx	Decap_PPPoE	VR_0
2223	VR_0	-	PPP	PPPoE_11	Rx	Map_L2TP	VR_1
2224	VR_1	-	PPP	Session_12	Tx	Encap_L2TP	VR_1
2225	VR_1	-	L2TP	Tunnel_12	Tx	Encap_UDP/IP	VR_1
2227	VR_1	-	IP	UDP_1701	Tx	Route	VR_1
2231	-	Ether_12	IP	-	Tx	Forward	-
2233	VR_1	-	IP	-	Rx	Route	VR_1
2234	VR_1	-	UDP/IP	UDP_1701	Rx	Decap_UDP/IP	VR_1
2235	VR_0	-	L2TP	Tunnel_12	Rx	Decap_L2TP	VR_0
2236	VR_0	-	PPP	Session_12	Rx	Map_PPPoE	VR_0
2237	VR_0	-	PPP	PPPoE_11	Tx	Encap_PPPoE	VR_0
	VR_0	ATM_11	PPPoE	PVC_11	Tx	Forward	-

FIG. 11B

2226	2211	2212	2213	2214	2215	2216	2217
	VIRTUAL ROUTER	DESTINATION IP ADDRESS	ADDRESS MASK	SELF-ADDRESSED	NextHop ADDRESS	PHYSICAL IF	LOGICAL IF
2232	VR_1	192.168.20.1	255.255.255.0	0	192.168.10.2	Ether_12	-
	VR_1	192.168.10.1	255.255.255.0	1	-	-	UDP_1701

FIG. 12

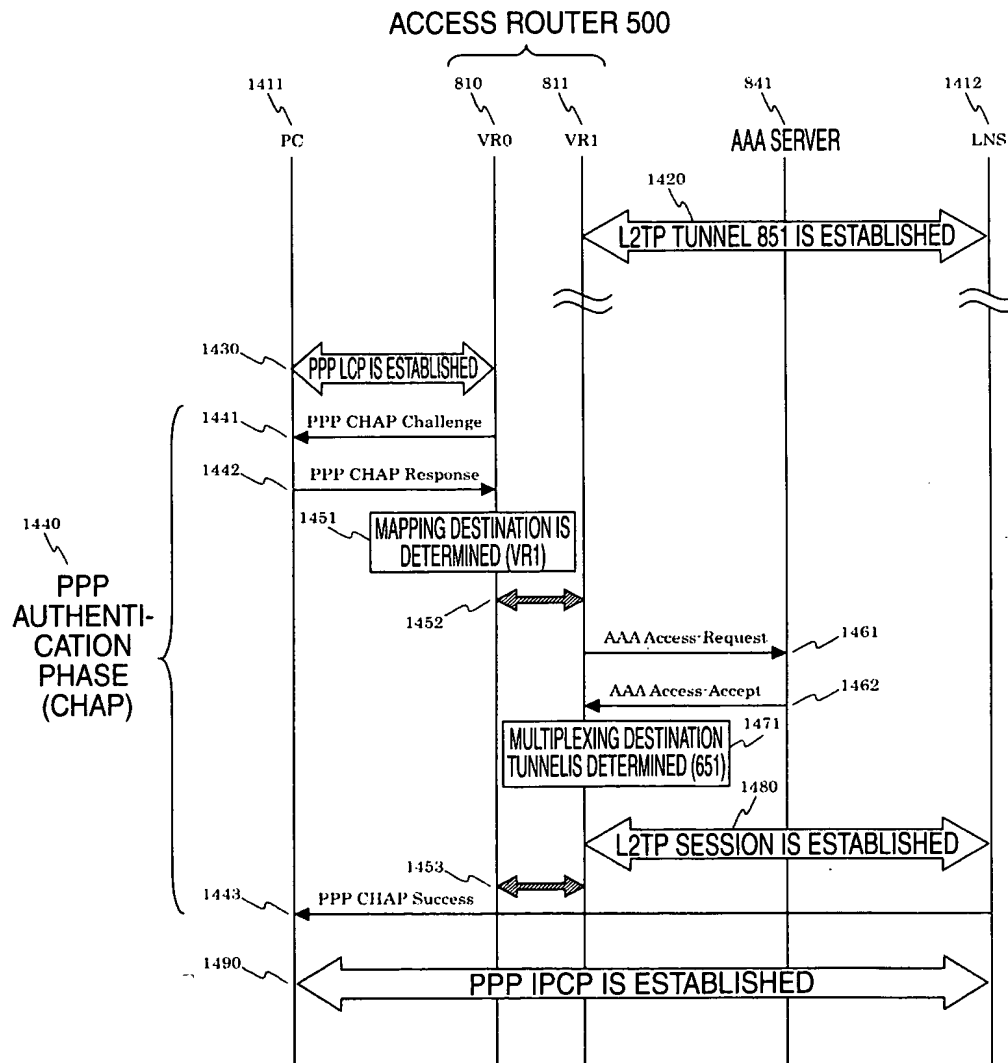


FIG. 13

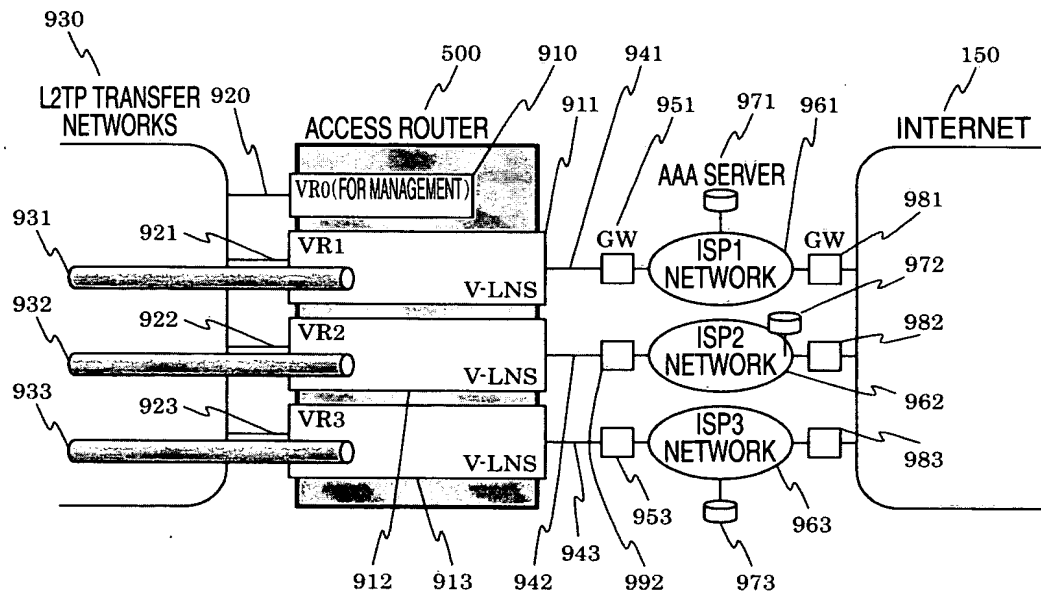


FIG. 14A

2301	2302	2303	2304	2305	2306	2307
VIRTUAL ROUTER	PHYSICAL IF	PROTOCOL	LOGICAL IF	Rx/Tx	ACTION	VIRTUAL ROUTER
2321	Ether_21	IP	-	Rx	Route	VR_1
2323	-	UDP/IP	UDP_1701	Rx	Decap_UDP/IP	VR_1
2324	-	L2TP	Tunnel_21	Rx	Decap_L2TP	VR_1
2325	-	PPP	Session_21	Rx	Decap_PPP	VR_1
2326	-	IP	Session_21	Rx	Route	VR_1
2328	Ether_22	IP	-	Tx	Forward	-
2331	Ether_22	IP	-	Rx	Route	VR_1
2333	-	IP	Session_21	Tx	Encap_PPP	VR_1
2334	-	PPP	Session_21	Tx	Encap_L2TP	VR_1
2335	-	L2TP	Tunnel_21	Tx	Encap_UDP/IP	VR_1
2336	-	IP	UDP_1701	Tx	Route	VR_1
2338	Ether_21	IP	-	Tx	Forward	-

FIG. 14B

2311	2312	2313	2314	2315	2316	2317
VIRTUAL ROUTER	DESTINATION IP ADDRESS	ADDRESS MASK	SELF-ADDRESSED	NextHop ADDRESS	PHYSICAL IF	LOGICAL IF
2322	192.168.20.1	255.255.255.0	1	-	-	UDP_1701
2327	158.214.2.5	255.255.255.0	0	158.214.1.1	Ether_22	-
2332	133.144.69.112	255.255.255.0	0	-	-	Session_21
2337	192.168.10.1	255.255.255.0	0	192.168.20.2	Ether_21	-

FIG. 15

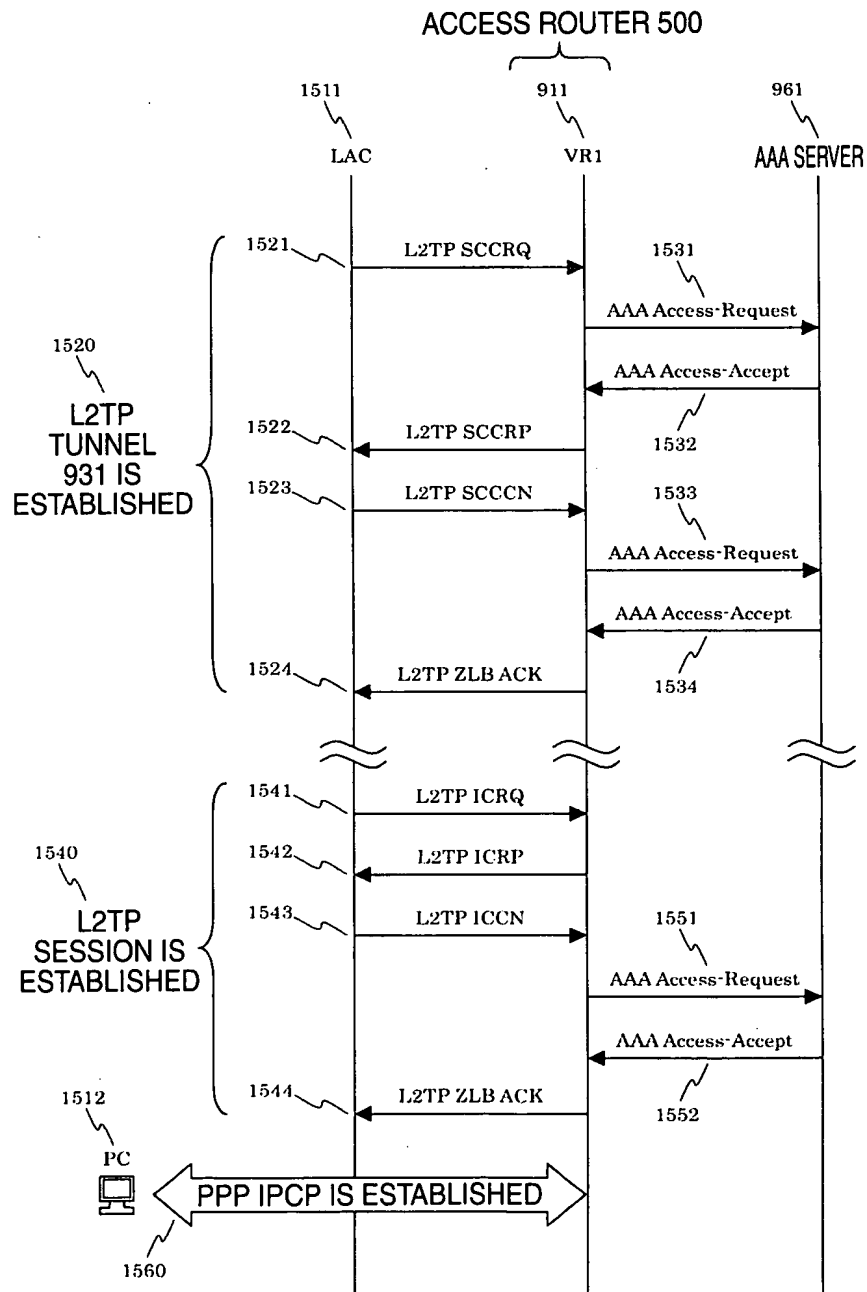
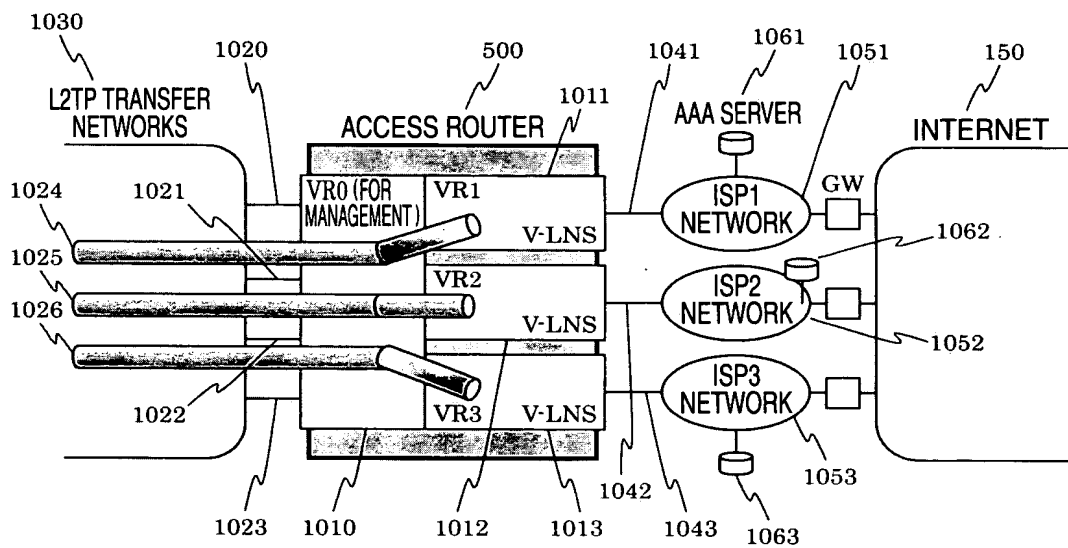


FIG. 16



	2411	2412	2413	2414	2415	2416	2417
2422	VIRTUAL ROUTER	DESTINATION IP ADDRESS	ADDRESS MASK	SELF-ADDRESSED	NextHop ADDRESS	PHYSICAL I/F	LOGICAL I/F
2427	VR_0	192.168.20.1	255.255.255.0	1	-	-	UDP_1701
2432	VR_1	158.214.2.5	255.255.255.0	0	158.214.1.1	Ether_22	-
2437	VR_1	133.144.69.112	255.255.255.0	0	-	-	Session_21
2437	VR_0	192.168.10.1	255.255.255.0	0	192.168.20.2	Ether_21	-

FIG. 18

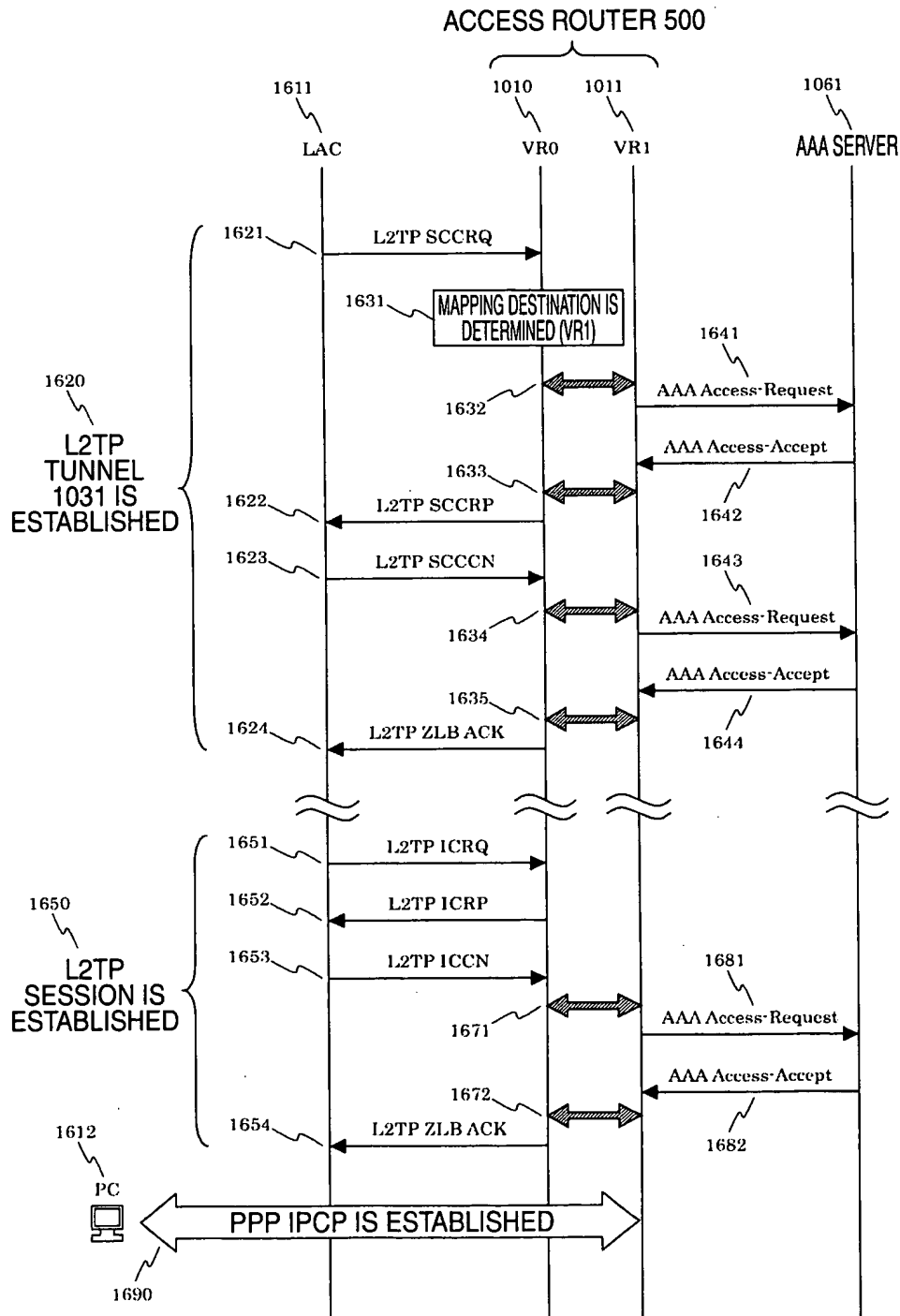


FIG. 19

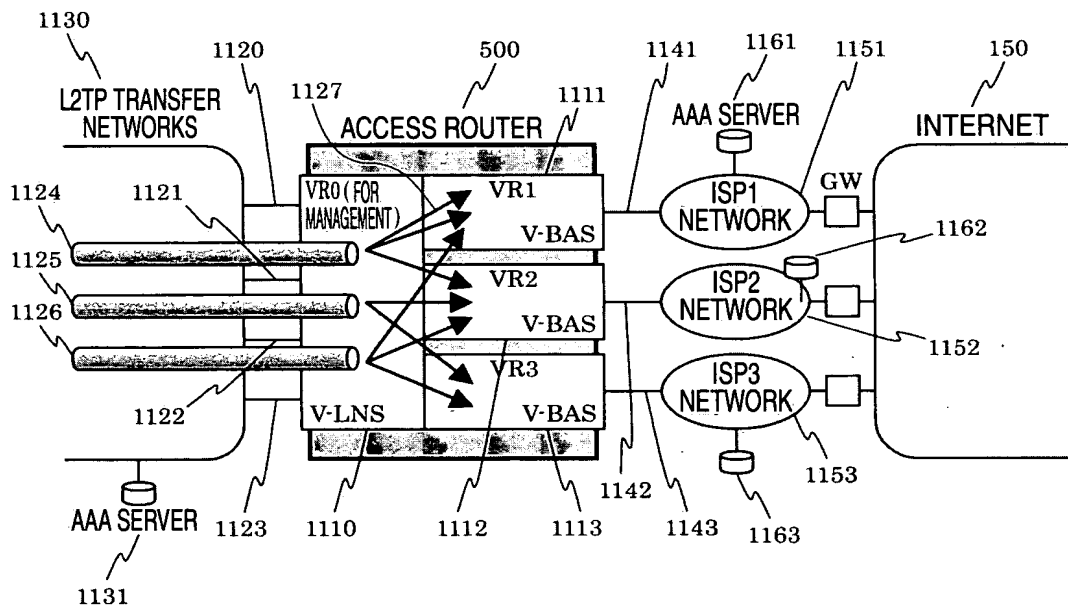


FIG. 20A

2501	2502	2503	2504	2505	2506	2507
VIRTUAL ROUTER	PHYSICAL I/F	PROTOCOL	LOGICAL I/F	Rx/Tx	ACTION	VIRTUAL ROUTER
-	Ether_21	IP	-	Rx	Route	VR_0
VR_0	-	UDP/IP	UDP_1701	Rx	Decap_UDP/IP	VR_0
VR_0	-	L2TP	Tunnel_21	Rx	Decap_L2TP	VR_1
VR_1	-	PPP	Session_21	Rx	Decap_PPP	VR_1
VR_1	-	IP	Session_21	Rx	Route	VR_1
VR_1	Ether_22	IP	-	Tx	Forward	-
-	Ether_22	IP	-	Rx	Route	VR_1
VR_1	-	IP	Session_21	Tx	Encap_PPP	VR_0
VR_0	-	PPP	Session_21	Tx	Encap_L2TP	VR_0
VR_0	-	L2TP	Tunnel_21	Tx	Encap_UDP/IP	VR_0
VR_0	-	IP	UDP_1701	Tx	Route	VR_0
VR_0	Ether_21	IP	-	Tx	Forward	-

FIG. 20B

2511	2512	2513	2514	2515	2516	2517
VIRTUAL ROUTER	DESTINATION IP ADDRESS	ADDRESS MASK	SELF-ADDRESSED	NextHop ADDRESS	PHYSICAL I/F	LOGICAL I/F
VR_0	192.168.20.1	255.255.255.0	1	-	-	UDP_1701
VR_1	158.214.2.5	255.255.255.0	0	158.214.1.1	Ether_22	-
VR_1	133.144.69.112	255.255.255.0	0	-	-	Session_21
VR_0	192.168.10.1	255.255.255.0	0	192.168.20.2	Ether_21	-

FIG. 21

